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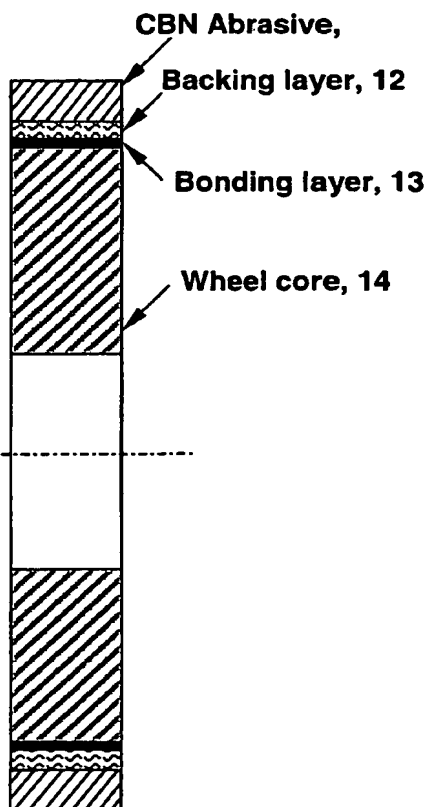
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(54) Title: GRINDING WHEEL FOR ROLL GRINDING APPLICATION AND METHOD OF ROLL GRINDING THEREOF



(57) Abstract: Iron and steel rolls are ground to production quality require-
ments with a grinding wheel that requires minimal wheel wear compensation,
profile error compensation or taper error compensation during the grinding
process. The grinding wheel consists essentially of a superabrasive material
selected from the group of natural diamond, synthetic diamond, cubic boron
nitride, and mixtures thereof, in a bond system, for a grinding wheel with
extended wheel life, and which removes minimum amount of stock off the
roll to achieve desired roll geometry.

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